



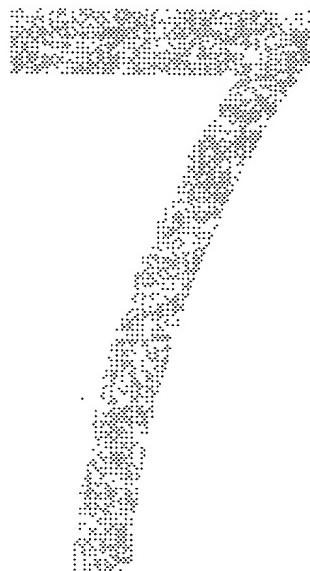
INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7 : A61K 9/16		A1	(11) International Publication Number: WO 00/45792 (43) International Publication Date: 10 August 2000 (10.08.00)
<p>(21) International Application Number: PCT/GB00/00349</p> <p>(22) International Filing Date: 3 February 2000 (03.02.00)</p> <p>(30) Priority Data: 60/118,334 3 February 1999 (03.02.99) US</p> <p>(71) Applicant (for all designated States except US): POWDER-JECT RESEARCH LIMITED [GB/GB]; 4 Robert Robinson Avenue, The Oxford Science Park, Oxford OX4 4GA (GB).</p> <p>(71) Applicant (for US only): BURKOTH, Terry, Lee [US/US]; 6511 Dumbarton Circle, Fremont, CA 94555 (US).</p> <p>(72) Inventors; and (75) Inventors/Applicants (for US only): O'CONNOR, Barbara, H. [US/US]; 6511 Dumbarton Circle, Fremont, CA 94555 (US). PRESTRELSKI, Steven, Joseph [US/US]; 6511 Dumbarton Circle, Fremont, CA 94555 (US). MAA, Yuh-Fun [US/US]; 6511 Dumbarton Circle, Fremont, CA 94555 (US). MUDDLE, Andrew [GB/GB]; 41 Sinnels Field, Shipton-Under-Wychwood, Oxon OX7 6EJ (GB). HAFNER, Roderick [GB/GB]; 4 Robert Robinson Avenue, The Oxford Science Park, Oxford OX4 4GA (GB).</p>			
<p>(74) Agent: WOODS, Geoffrey, Corlett; J.A. Kemp & Co., 14 South Square, Gray's Inn, London WC1R 5LX (GB).</p> <p>(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p>Published With international search report.</p>			
<p>(54) Title: HYDROGEL PARTICLE FORMULATIONS</p> <p>(57) Abstract</p> <p>New compositions formed from the combination of an active substance with a hydrogel carrier moiety are provided. The compositions are suitable for use in high-velocity transdermal particle injection techniques. Methods of providing the new compositions are also provided. In addition, methods for administering pharmacologically active agent to a subject are provided. These methods are useful for delivering drugs, biopharmaceuticals, vaccines and diagnostics agents.</p>			

**UNITED STATES PATENT AND TRADEMARK OFFICE
DOCUMENT CLASSIFICATION BARCODE SHEET**



Drawings



Level - 2
Version 1.1
Updated - 8/01/01

1/3

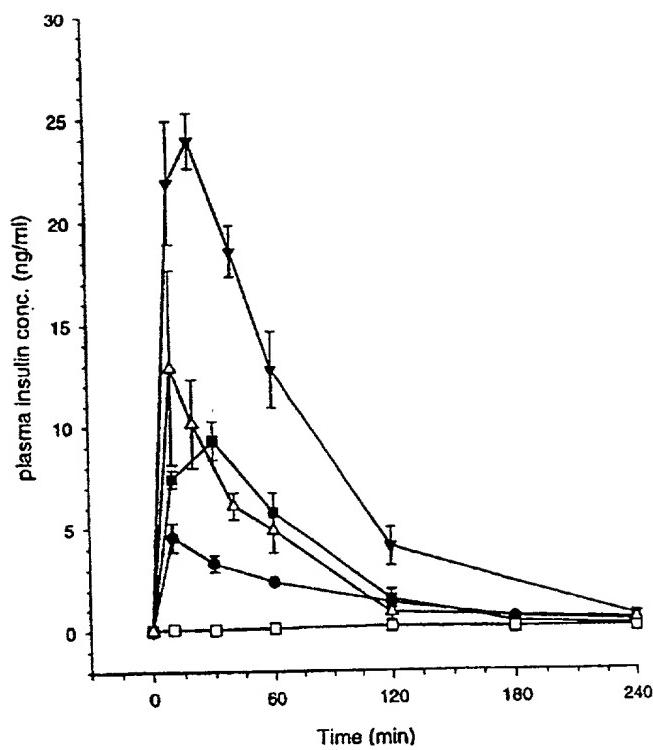


FIGURE 1

2/3

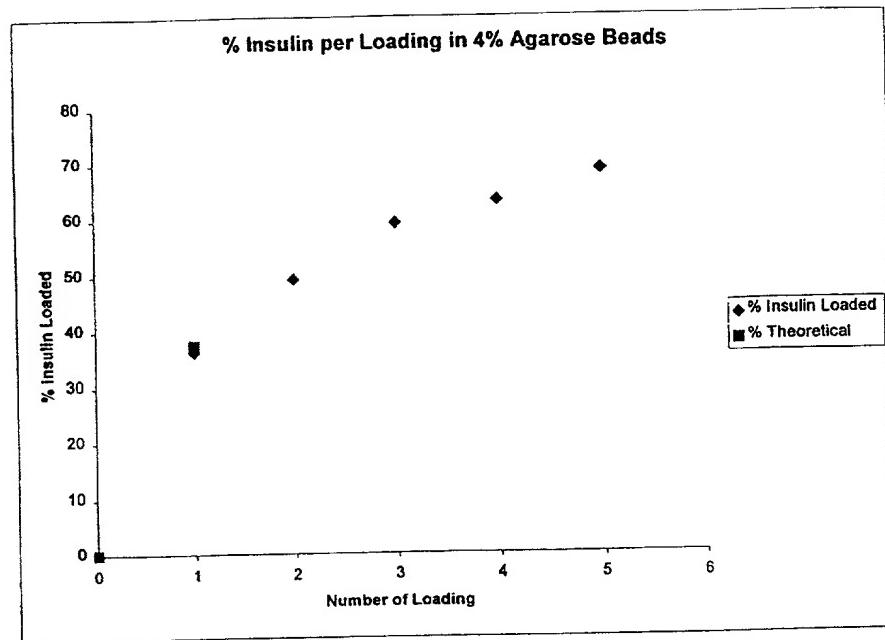
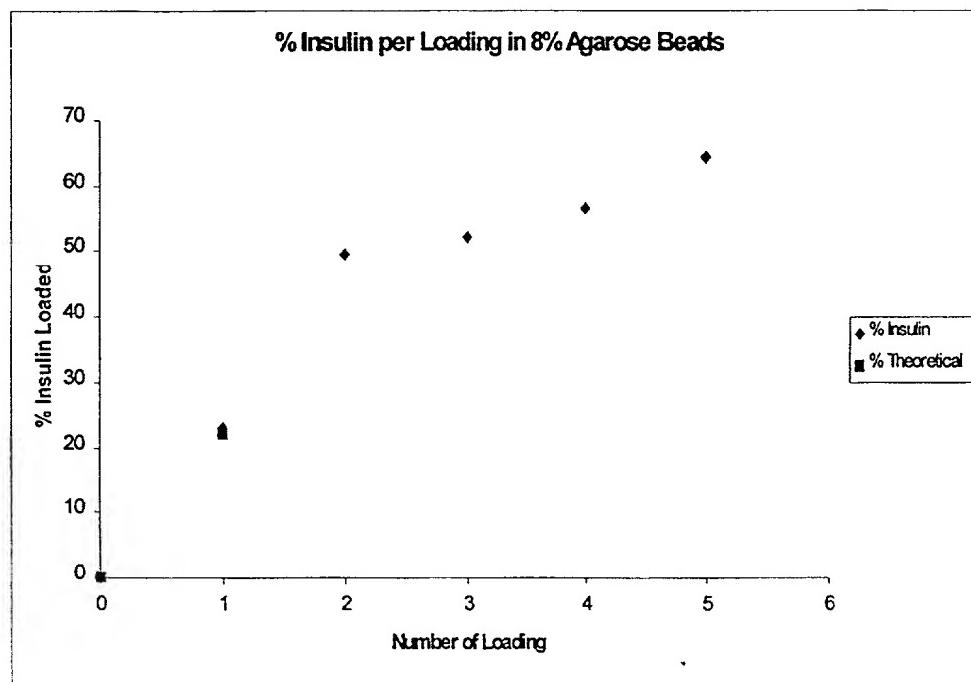


FIGURE 2

3/3

**FIGURE 3**